

## **APPARATUS FOR REPAIRING CONCRETE**

### **ABSTRACT OF THE INVENTION**

An apparatus for repairing concrete structures utilize a generally flat composite material insert. The insert is inserted into a slot formed in a preexisting section of concrete and bonded to the preexisting section using an adhesive. The insert is installed  
5 such that a portion of the insert extends beyond the preexisting structure and into a void where damaged concrete has been removed and where the new concrete is to be poured.

The insert then functions to join the preexisting section and the new concrete section.

Alternatively, the insert may comprise an extension to attach an external fixture to the concrete section. Alternatively, a slot can be created within two preexisting concrete

10 sections, adhesive added to the slot, and an insert installed in the slot. Again, the insert functions to join the two concrete sections.